

المحتوى العلمي للمقرر:

- ***Quantum mechanics Postulates***

- ***Hermitian operators***
- ***Normalization and orthogonality***
- ***The particle in a box***
- ***The Harmonic oscillator***
- ***The rigid rotator***
- ***Hydrogen atom***

- ***The approximation method***

- ***Variation method***
- ***Perturbation method***

الكتب الأساسية:

Quantum Chemistry, MnQuarrie & Donald, 1997.

المراجع المساندة:

Physical Chemistry, J. De Paula & P. Atkins, 7th ed., 2001, W. H. Freeman.